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State Regulation and Compliance

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August 31, 2018

Docket Control
Arizona Corporation Commission
1200 W. Washington Street
Phoenix, AZ 85007

RE: Arizona Public Service Company's Demand Side Management 2018 Status Report
- Docket No. E-00000U-18-0055 Energy Efficiency Standards Reports for 2018

Pursuant to the Electric Energy Efficiency Standard, A.A.C. R14-2-2409(B):

"By September 1 of each year, an affected utility shall file a status report including a tabular summary showing the following for each current Commission-approved DSM program and DSM measure of the affected utility: 1) Semi-annual expenditures compared to original budget and 2) Participation rates."

Attached please find Arizona Public Service Company's Demand Side Management Status Report for the period January through June 2018.

If you have any questions regarding this information, please contact me at (602)250-3341.

Sincerely,

A handwritten signature in blue ink that reads 'Kerri' followed by a stylized surname.

Kerri A. Carnes

KC/bnm

c: Barbara Keene
Liu Yue

Arizona Corporation Commission

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A handwritten signature in black ink, appearing to be 'M' or 'W'.

Arizona Public Service Company

Demand Side Management Status Report

August 31, 2018



Table of Contents

INTRODUCTION	1
TABLE 1 - DSM Program Expenses.....	1
TABLE 2 - DSM Participation Rates	2
TABLE 3 - DSM Electric Savings.....	4

ARIZONA PUBLIC SERVICE COMPANY
DSM STATUS REPORT:
JANUARY THROUGH JUNE 2018

Introduction

Pursuant to A.A.C. R-14-2-2409(B) Arizona Public Service ("APS") provides this status report containing a summary of expenditures and participation rates for the period January through June 2018. For informational purposes, APS also provides energy efficiency and demand response savings results for the same period.

TABLE 1
DSM Program Expenses January – June 2018, and Annual Budget

DSM Program	Expenditures January – June 2018	2018 Annual Budget¹
Residential:		
Consumer Products	\$1,246,503	\$2,017,000
Existing Homes HVAC	\$1,752,906	\$2,562,288
Existing Homes HPwES	\$619,323	\$1,847,998
New Construction	\$2,270,670	\$7,042,700
Conservation Behavior	\$108,758	\$100,000
Multi-Family	\$778,899	\$1,361,850
Limited Income	\$972,052	\$3,479,786
Total Residential	\$7,749,111	\$18,411,622
Non-Residential:		
Large Existing Facilities	\$2,910,633	\$12,488,018
New Construction	\$796,746	\$1,716,721
Small Business	\$163,243	\$210,732
Energy Information Services	\$78,274	\$67,801
Schools	\$434,833	\$691,451
Schools EV Bus Pilot	\$0	\$2,250,000
Managed EV Charging Pilot	\$0	\$1,330,000
Total Non-Residential	\$4,383,729	\$18,754,723
Energy & Demand Education	\$466,886	\$750,000
Energy Storage & Load Management (DRESLM)	\$102,641	\$5,999,840
Codes & Standards	\$3,751	\$20,000
MER	\$879,839	\$1,800,000
EE Program Total	\$13,585,957	\$45,736,185
DR Program Total	\$93,790	\$1,900,000
DSM Total	\$13,679,747	\$47,636,185

1. Pending ACC decision in docket number E-01345A-17-01345.

DSM STATUS REPORT:
JANUARY THROUGH JUNE 2018

DSM Participation Rates: January – June 2018

[illegible]

ARIZONA PUBLIC SERVICE COMPANY
DSM STATUS REPORT:
JANUARY THROUGH JUNE 2018

TABLE 2 Continued

DSM Program / Measure	Number of Units	Definition of Unit
Small Business²	32	Applications processed
Schools²	41	Applications processed
Energy Information Services	128	New Meters
System Savings	11	No. of Feeders - CVR
Demand Response Programs		
APS Peak Solutions	2,104	Meters (0 test events)
Critical Peak Pricing	316	Meters (0 events)
TOU Rates & Super Peak	603,804	Customers

1. Number of participants reported as of June 30, 2018.
2. Non-Residential participation is tracked at the application level.

ARIZONA PUBLIC SERVICE COMPANY
DSM STATUS REPORT:
JANUARY THROUGH JUNE 2018

TABLE 3
Estimated Demand Side Management Electric Savings: January – June 2018²

DSM Program	Net Peak MW Capacity Savings	Net Annual MWh Savings	Net Lifetime¹ MWh Savings
Residential:			
Consumer Products	3.6	8,965	90,260
Existing Homes – HVAC	3.3	4,507	45,070
Existing Homes – HPwES	2.3	4,577	43,369
New Construction	2.3	4,224	84,474
Conservation Behavior ³	0.0	8,743	8,743
Multi-Family	0.2	1,383	20,668
Limited Income	0.1	469	8,703
Total Residential	11.8	32,868	301,287
Non-Residential:			
Large Existing Facilities	7.2	33,419	457,420
New Construction	1.4	7,187	94,863
Small Business	0.2	736	9,605
Schools	1.0	3,805	61,616
Energy Information Services	3.0	2,889	14,447
Total Non-Residential	12.8	48,036	637,951
Codes & Standards ⁴	NA	NA	NA
System Savings	0.0	2,376	2,376
Demand Response	0.0	0	0
Total DSM	24.6	83,280	941,614

1. Refers to savings over the expected lifetime of all program measures.
2. Savings are adjusted for line losses (energy 7.0%, demand 11.7%) and a capacity reserve factor of 15%.
3. Savings are claimed based on persistence of behavioral letters mailed to customers in 2016 and 2017.
4. Savings for Codes & Standards will be provided in APS's Annual DSM Progress Report.